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	Application No.	Applicant(s)	
Notice of Allowability	10/520,943	MATTINGLEY ET AL.	
	Examiner	Art Unit	
	Michael Bernshteyn	1713	
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	S (OR REMAINS) CLOSED in this ap 5) or other appropriate communication RIGHTS. This application is subject to	plication. If not included n will be mailed in due cours	se. THIS
1. This communication is responsive to <u>09/02/2006</u> .			
2. The allowed claim(s) is/are <u>1-6</u> .			
 3. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents hat 2. Certified copies of the priority documents hat 	ve been received.		
3. Copies of the certified copies of the priority of	documents have been received in this	national stage application fi	rom the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirer	nents
4. A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which g			E OF
5. CORRECTED DRAWINGS (as "replacement sheets") m	ust be submitted.		
(a) I including changes required by the Notice of Draftspe	erson's Patent Drawing Review (PTO	-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	<u>_</u> .		
(b) ☐ including changes required by the attached Examine Paper No./Mail Date	er's Amendment / Comment or in the	Office action of	
Identifying indicia such as the application number (see 37 CFF each sheet. Replacement sheet(s) should be labeled as such it			i) of
 DEPOSIT OF and/or INFORMATION about the department of the department of			:he
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948)		• •	
_	Paper No./Mail Da	ate	
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. 🛛 Examiner's Amend	ment/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	t 8. ⊠ Examiner's Statem	ent of Reasons for Allowand	се
	9. Other		

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been withdrawn.

DETAILED ACTION

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This Office Action is a response to the remarks filed September 5, 2006.
 Applicant's arguments, see remarks, filed September 5, 2006, with respect to claims 1-13 have been fully considered and are persuasive. The rejection of claims 1-13 has

2. Claims 1-13 are now pending.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. William H. Holt on September 14, 2006.

4. Claims 7-13 have been cancelled without prejudice.

Allowable Subject Matter

- 5. Claims 1-6 are allowed.
- 6. The following is a statement of reasons for the indication of allowable subject matter:

The present claims are allowable over the closest reference: Kronfli et al. (GB Patent 2 309 701).

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Kronfli discloses a process for producing a porous polymeric membrane suitable for use in electrolyte material. A polymeric chain consisting primarily of vinylidene fluoride, onto which is grafted a mono-unsaturated carboxylic acid, ester, or amide. This may be used as electrolyte in a lithium cell, or may be combined with an insertion material to make a composite electrode for such a cell (abstract). Kronfli discloses the process comprising the following steps: dispersing PVdF in a small amount of methanol (non-solvent) to which N-methyl pyrrolidone (NMP) and dimethyacetamide (DMA) were added to dissolve the PVdF; then the mixture was stirred and heated. The resulting slurry was cast onto a copper foil current collector and dried in a vacuum oven for 24 hours at 50 C (Example 1, page 5, line 35 through page 6, line 23) to evaporate the non-solvent and solvent and to obtain a membrane (Example 3, page 11, lines 1 through page 12, line 3).

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However, Kronfli et al. does not disclose or fairly suggest the instantly claimed casting from the solution, because graphite, an insoluble solid material is added to give slurry, and that the boiling point of the non-solvent is higher than that of the solvent, and the usage of octanol, decanol, dodecanol or a mixture thereof.

- 7. As of the date of this Notice of Allowability, the Examiner has not located or identified any reference that can be used singularly or in combination with another reference including Mandeville to render the present invention anticipated or obvious to one of ordinary skill in the art.
- 8. In the light of the above discussion, it is evident as to why the present claims are patentable over the prior art.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delay, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reason for Allowance".

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Bernshteyn whose telephone number is 571-

272-2411. The examiner can normally be reached on M-F 8-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David Wu can be reached on 571-272-1114. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Michael Bernshteyn Patent Examiner Art Unit 1713

MB 09/14/2006

LING-SUI CHOI

PRIMARY EXAMINER